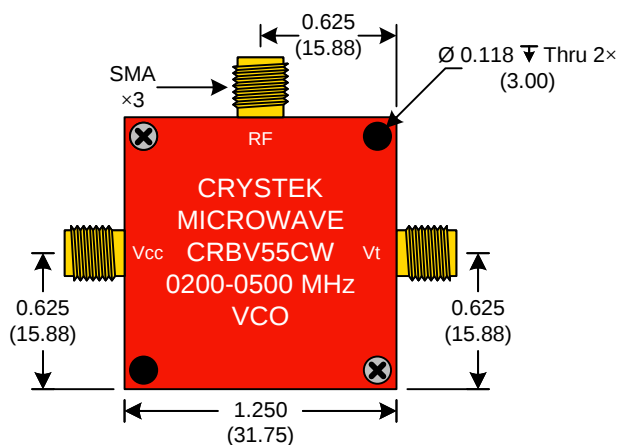
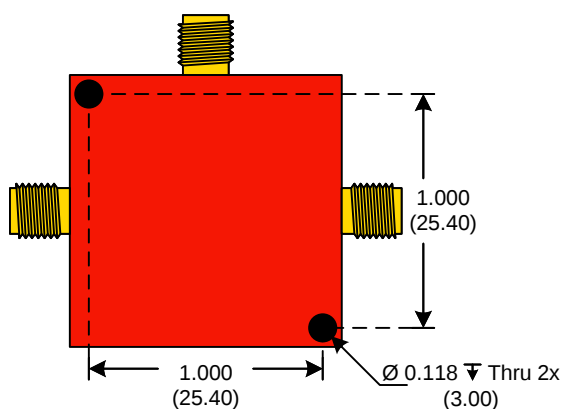


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			200	MHz
Upper Frequency:	500			MHz
Tuning Voltage:	0.5		18	VDC
Supply Voltage:	11.4	12.0	12.6	VDC
Output Power:	-1.0	+4.0	+9.0	dBm
Supply Current:		15	25	mA
Harmonic Suppression (2 nd Harmonic)		-10	-4	dBc
Pushing:		1.5		MHz/V
Pulling, all Phases:		1.5	3.0	MHz pk-pk
Tuning Sensitivity:		20		MHz/V
Phase Noise @ 10kHz offset:		-98		dBc/Hz
Phase Noise @ 100kHz offset:		-119		dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			330	pF
Operating Temperature Range:	-20		+70	°C
Storage Temperature Range:	-45		+90	°C

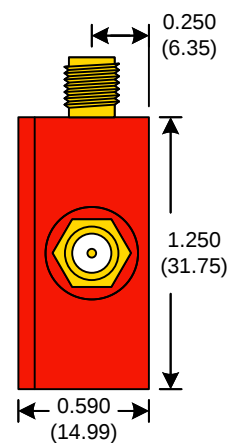
FRONT



BACK



SIDE



● Unless otherwise specified, Dimensions are in: $\frac{\text{IN}}{(\text{mm})}$



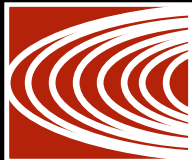
Proper ESD precautions should be taken to avoid performance degradation or loss of functionality.

X=4.1
Y=1.7

Product Control:

Crystek Part Number:	CRBV55CW-0200-0500	Release Date:	18-Jan-2018
Revision Level:	E	Responsible:	C. Vales

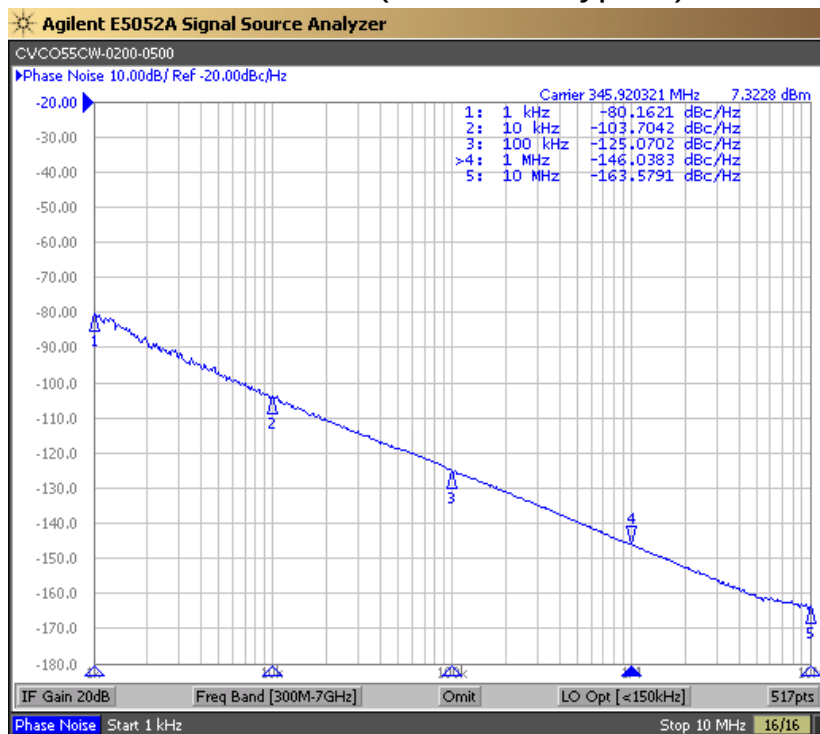




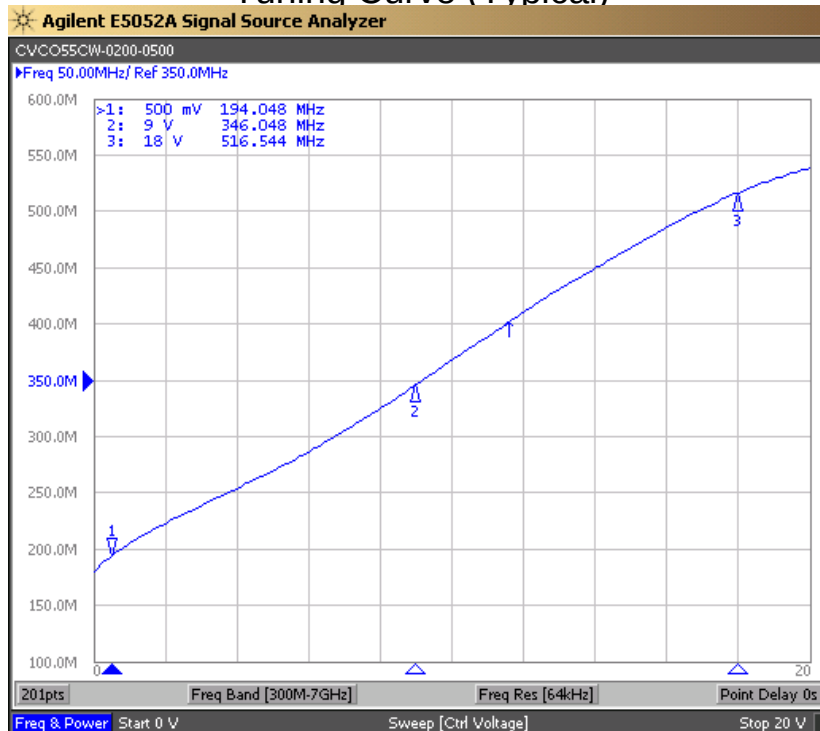
CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

RedBox VCO
CRBV55CW-0200-0500

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



Product Control:

Crystek Part Number:	CRBV55CW-0200-0500	Release Date:	18-Jan-2018
Revision Level:	E	Responsible:	C. Vales

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